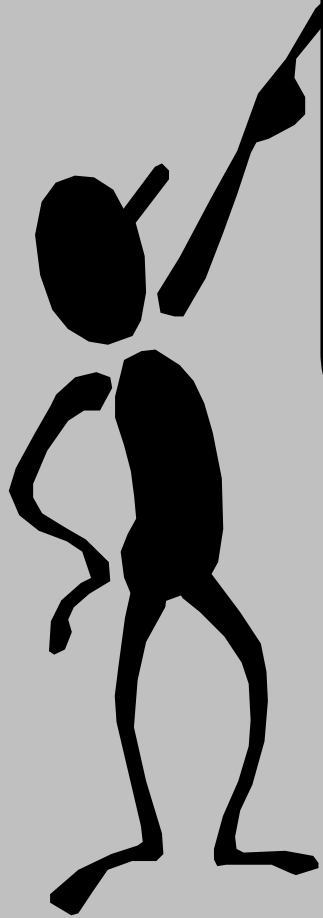


SET-UP AND MANUALLY LEVEL THE GLPS

OBJECTIVE



**YOU WILL LEARN HOW
TO SET-UP AND
LEVEL THE GLPS
PRIOR TO OPERATION.**

INITIALIZE PLGR

**POSITION PLGR AT GLPS LOCATION
FOLLOWING SET-UP CRITERIA**



SET-UP OF PLGR

TURN ON PLGR

FROM MAIN MENU: SET-UP

SET-UP MODE: AVERAGING

SV-TYPE: all-y

SET-UP UNITS SCREEN: SET-UP UNITS

UTM/UPS: METRIC

ELEV: meter MSL OR DTM (#1)

ANG: MIL-U Grid

SET-UP MAGVAR SCREEN TYPE: Calc mil-u
WMM 1995

SET-UP

EL Hold: automatic

TIME: ZULU

ERR: fom

SET-UP DTM: (DATUM MUST MATCH OPERATION
OR MAP DATUM BEING USED BY THE UNIT.)

#1 SELECT MSL FOR ELEVATION VALUES REFERRED
TO MEAN SEA LEVEL, SELECT DTM FOR ELEVATION
REFERRED TO MAP DATUM, NOTE FOR USE WITH LIVE FIRE
THE PLGR SHOULD RECEIVE A FOM 1 SIGNAL AND
RECEIVE AT LEAST 200 HITS IN THE AVERAGING MODE

SELECT ORIENTING STATION

***SELECT A LOCATION FOR
PLACEMENT OF THE GLPS
TO SERVE AS THE ORIENTING
STATION.***

SET-UP TRIPOD - STEP 1

**INVERT
TRIPOD**



SET-UP TRIPOD - STEP 2

**LOOSEN CLAMPING
SCREWS
EXTEND LEGS CHEST
HIGH
TIGHTEN CLAMPING
SCREWS**



SET-UP TRIPOD - STEP 3

**SPREAD LEGS
PROTECTIVE COVER WAIST
HIGH
SEAT EACH TRIPOD BOOT**



SET-UP TRIPOD - STEP 4



**REMOVE
PROTECTIVE
COVER**

SET-UP TRIPOD - STEP 5

OBSERVE CIRCULAR
LEVEL VIAL
ADJUST TRIPOD
LEG HEIGHT
LEVEL TRIPOD
BASE



SET-UP TRIPOD - STEP 6

CENTER BUBBLE

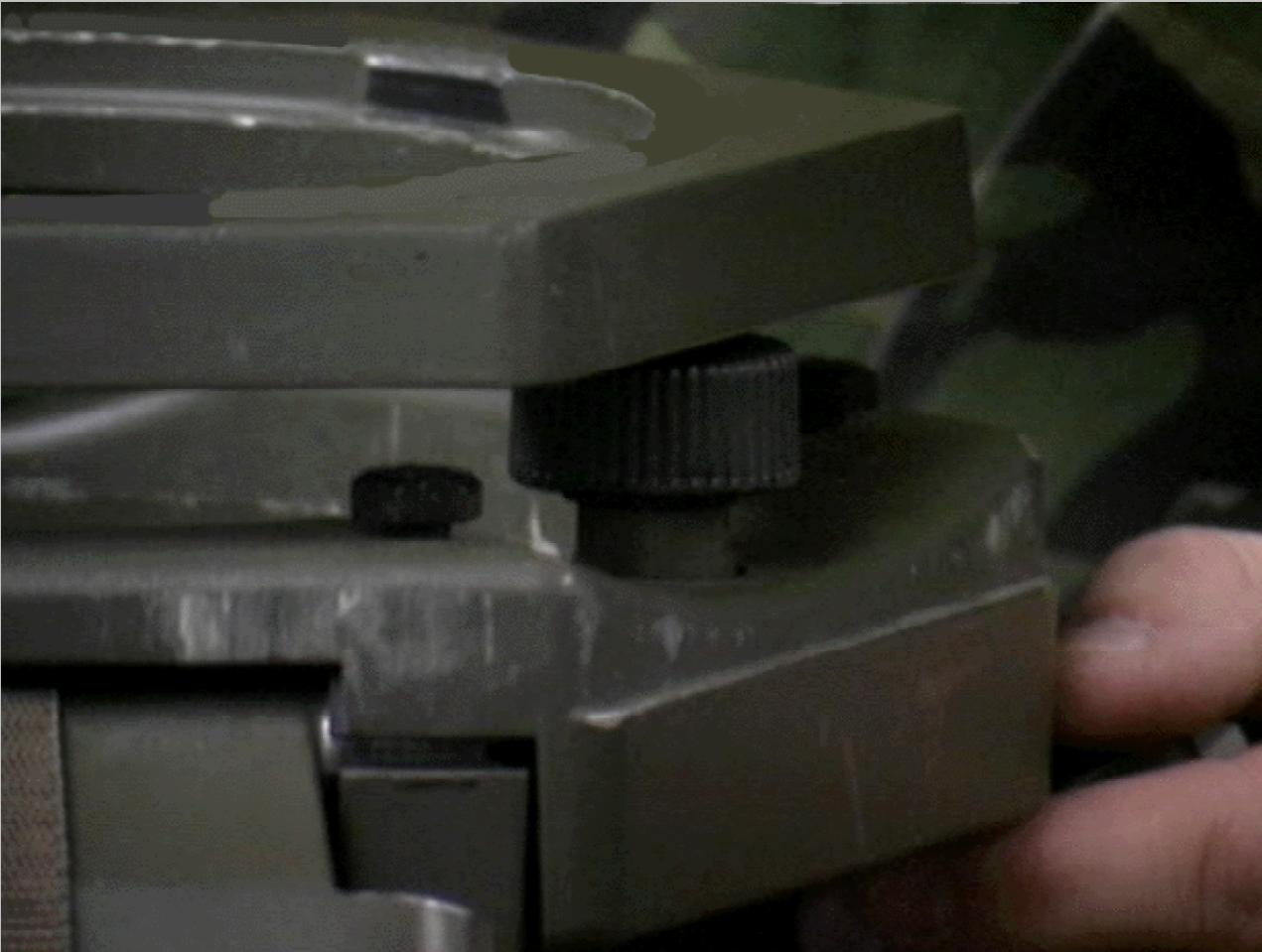


SET-UP TRIPOD - STEP 7

CHECK THREE LEVELING SCREWS



SET-UP TRIPOD - STEP 8



BOTTOM OF KNOB ON FLAT OF LEVELING SCREW

MOUNT GYROSCOPE - STEP 1

ENSURE GYROSCOPE CLAMPING SCREW IS IN OPEN POSITION



MOUNT GYROSCOPE - STEP 2

REMOVE GYROSCOPE



MOUNT GYROSCOPE - STEP 3



**INSERT GYROSCOPE
INTO TRIPOD
TILTING DISH**

MOUNT GYROSCOPE - STEP 4



**SEAT GYROSCOPE
FOLD HANDLE DOWN**

MOUNT GYROSCOPE - STEP 5

SECURE GYROSCOPE WITH CLAMPING SCREW



MOUNT GYROSCOPE - STEP 6



REMOVE PROTECTIVE COVER FROM THEODOLITE INTERFACE PORT

MOUNT GYROSCOPE - STEP 7

PLACE THEODOLITE LOCKING LEVER IN THE FORWARD (OPEN) POSITION



MOUNT THEODOLITE - STEP 1



MOUNT THEODOLITE - STEP 2

**REMOVE PROTECTIVE COVER
FROM GYROSCOPE
INTERFACE PORT**

**NOTE
DURING INCLEMENT WEATHER,
LEAVE THE COVER ON AS LONG
AS POSSIBLE.**



MOUNT THEODOLITE - STEP 3

**MOUNT THEODOLITE
ENSURE INTERFACE PORTS ALIGN**



MOUNT THEODOLITE - STEP 4



**SECURE THEODOLITE
MOVE LOCKING LEVER TO REAR (CLOSED) POSITION**

MOUNT THEODOLITE - STEP 5

CENTERED HORIZONTAL MOTION FINE ADJUSTMENT KNOB



MOUNT THEODOLITE - STEP 6

CENTERED VERTICAL MOTION FINE ADJUSTMENT KNOB



MOUNT TARGET ROD - STEP 1



MOUNT TARGET ROD - STEP 2

REMOVE TARGET ROD COVER



MOUNT TARGET ROD - STEP 3

**MOUNT
TARGET ROD**



MOUNT BATTERY - STEP 1

ATTACH BATTERY TO HINGED MOUNTING BRACKET



MOUNT BATTERY - STEP 2

**ROTATE BATTERY
TOWARDS
GYROSCOPE**



MOUNT BATTERY - STEP 3

LOCK BATTERY IN PLACE WITH LATCH



MOUNT PLGR - STEP 1



**MOUNT PLGR
MOUNTING
BRACKET**

MOUNT PLGR - STEP 2

REMOVE RS-232
DATA PORT
COVER FROM
PLGR



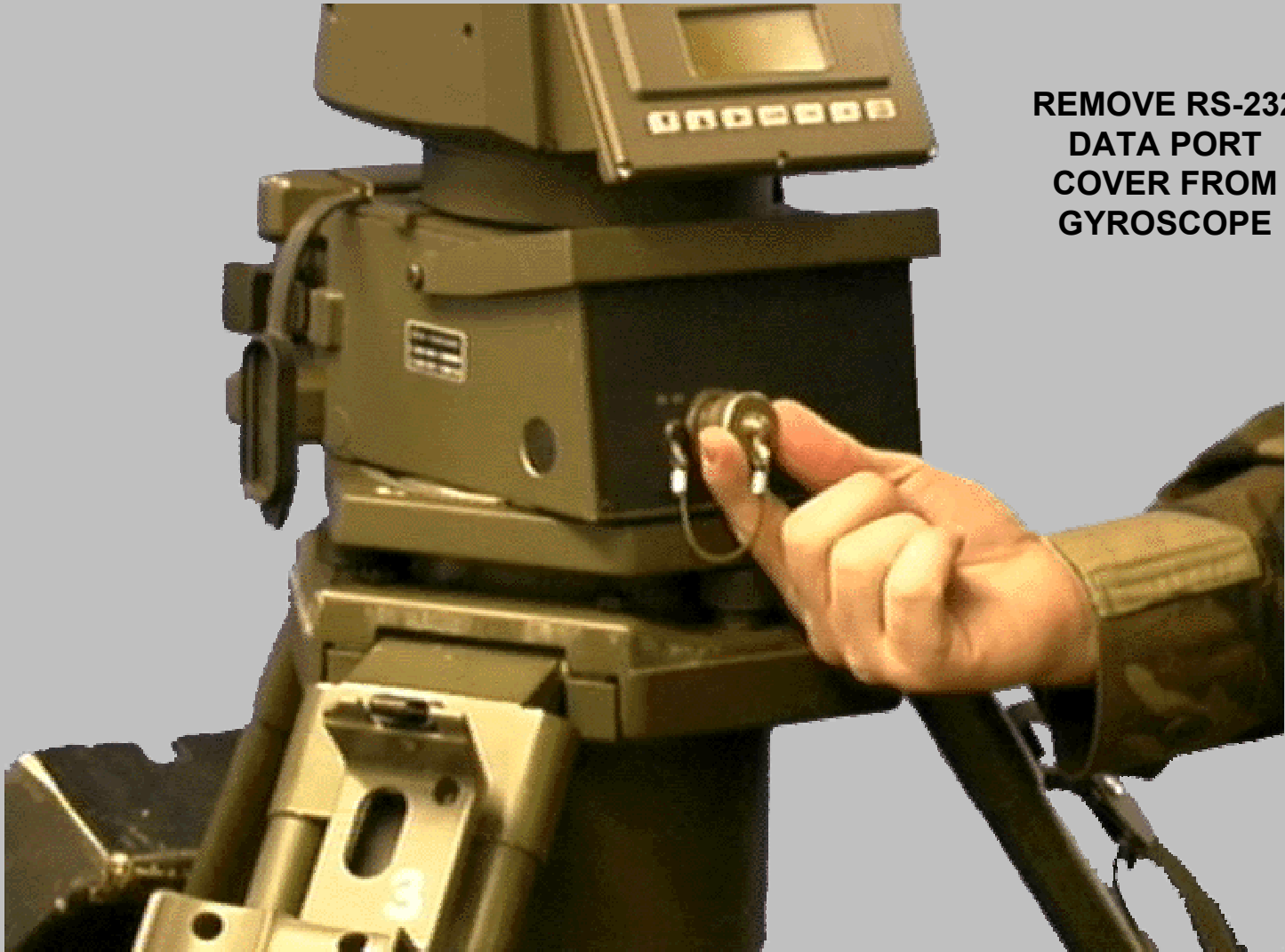
MOUNT PLGR - STEP 3

CONNECT RS-232 CABLE TO PLGR



MOUNT PLGR - STEP 4

**REMOVE RS-232
DATA PORT
COVER FROM
GYROSCOPE**



MOUNT PLGR - STEP 5

**CONNECT RS-232 CABLE
TO GYROSCOPE**



MOUNT PLGR - STEP 6



**INSTALL PLGR
INTO MOUNTING
BRACKET**

LEVEL SYSTEM MANUALLY - STEP 1

LEVEL SYSTEM USING CIRCULAR LEVELING VIAL ON THEODOLITE

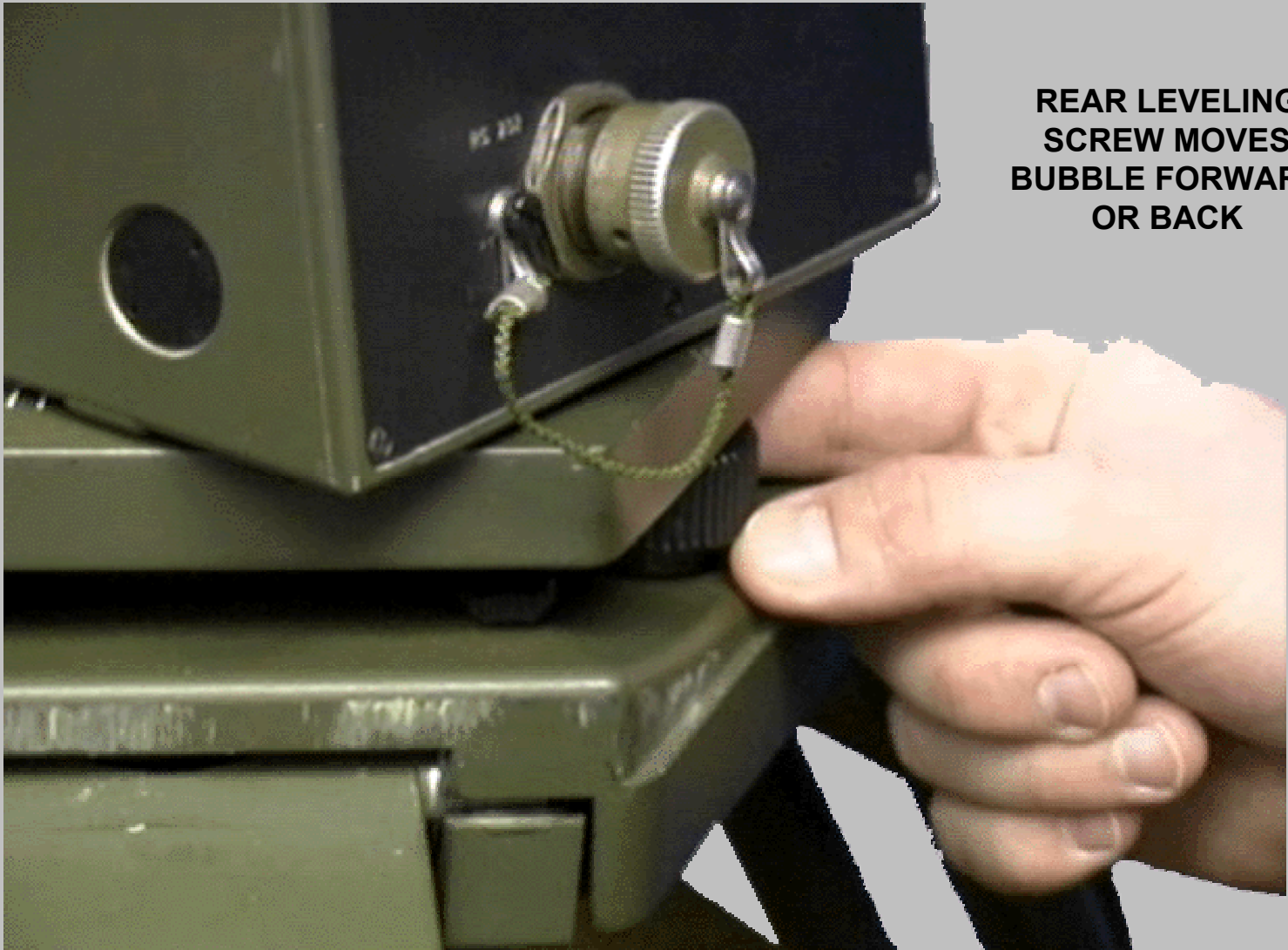


LEVEL SYSTEM MANUALLY - STEP 2

TWO FRONT LEVELING SCREWS MOVE BUBBLE RIGHT OR LEFT



LEVEL SYSTEM MANUALLY - STEP 3



LEVEL SYSTEM MANUALLY - STEP 4

CENTER BUBBLE



READY FOR OPERATION



6/13/00

SET-UP GLPS

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